

FEI | Faith Engineering, Inc.

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November 15, 2000

Mr. Nolan Bennett
Environmental Health Scientist
Bernalillo County Environmental Health Department
600 Second St. NW, Suite 500
Albuquerque, NM 87102

Sent via E-Mail: nbennett@bernco.gov and US Mail

RE: Transmittal of 1st Quarterly Ground Water Sampling Results
701 Isleta SW, The Phil's Auto Site; NMED/USTB Facility ID No. 5517001
Contract Control No. 980473

Dear Nolan:

Please find included herewith the results of the first quarter of ground water sampling and analysis for the subject site. This transmittal includes:

- a site map showing well locations with notated analytical results;
- a summary table with a current tabulation of ground water analytical results; and
- laboratory report of analyses.

As you are aware, Faith Engineering, Inc. and their subcontractor Tecumseh Professional Associates (FEI/TPA) are conducting additional subsurface investigation activities at this site.

During this first quarterly ground water sampling activity, the well suspected of being most highly contaminated was also analyzed for polynuclear aromatics (PNAs) by EPA Method 8270 SIMS. Monitor well MW-2 was analyzed and the following PNAs were detected: 1-methyl naphthalene (3.56 µg/l), 2-methyl naphthalene (3.68 µg/l), and naphthalene (13.3 µg/l). Results of additional ground water and subsurface (Hydrogeologic) investigation will be provided by 1/15/01.

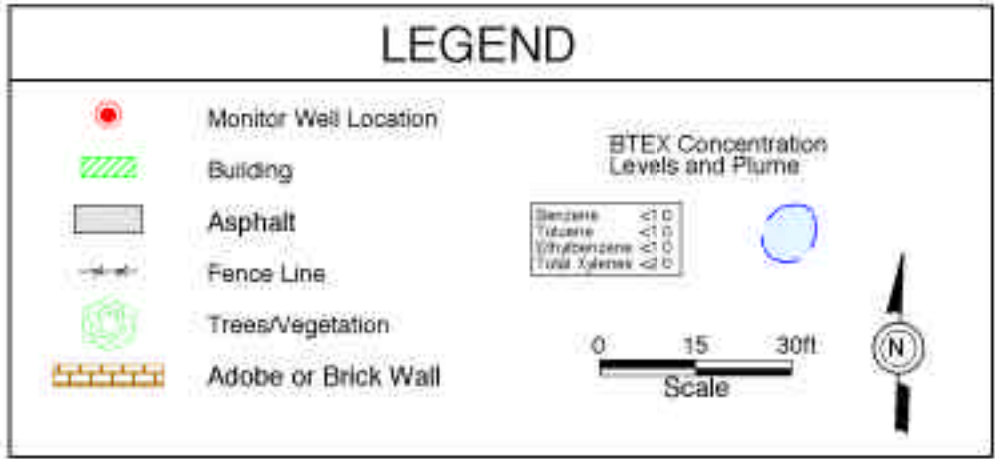
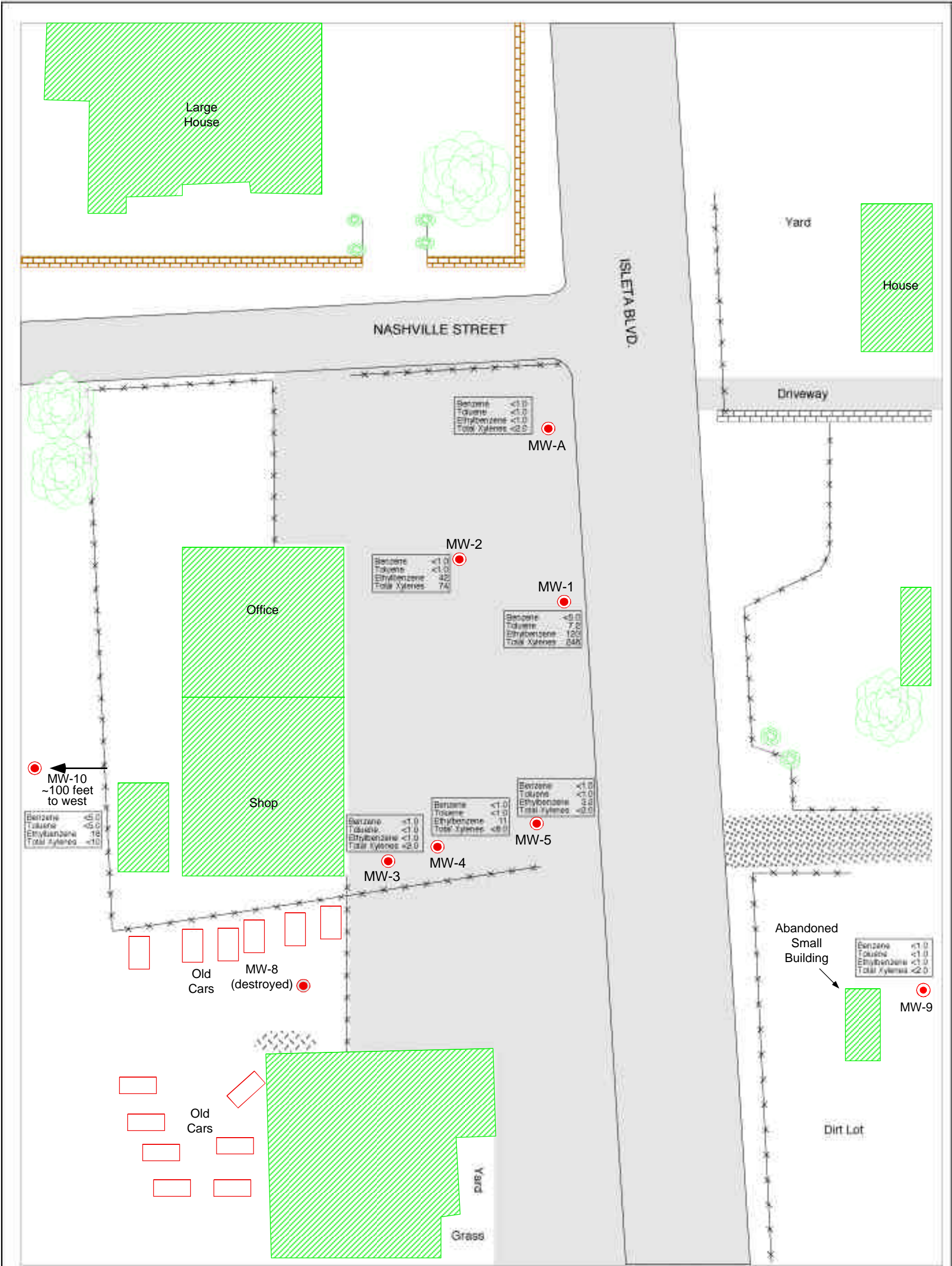
Please do not hesitate to contact the undersigned if you have any questions or comments regarding this matter.

Respectfully submitted,

FAITH ENGINEERING, INC.

Stuart E. Faith – President

cc. w/ encls. Mr. Tom Leck – NMED/USTB
Mr. Bill Brown - TPA



Phil's Auto
701 Isleta SW, Albuquerque, New Mexico

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TECUMSEH
PROFESSIONAL ASSOCIATES, INC.

Subject: Site Map and BTEX Concentration Levels

Drawn by: KGF/WJB	Client: BCEHD
Date: November 2000	Figure: 1 Project: 99-00-1183

		ORGANICS									INORGANICS						INDICATORS			
LOCATION	DATE SAMPLED	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDB	EDC	TMB	NAPHTHALENE	IRON	PHOSPHATE	SULFIDE	ALKALINITY as CaCO3	DISS O2	NITRATE	pH	CONDUCTIVITY	TEMP	
		µg/l 10	µg/l 750	µg/l 750	µg/l 620	µg/l 100	µg/l 0.1	ug/l 10	µg/l	µg/l		µg/l SOLUBLE	µg/l TOTAL	mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm
MW - A	9/18/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	0.4	0.4	1.0	0.0	250	0.5	0.8	6.63	936	26.3
MW - 1	9/18/00	< 5.0	7.2	120	248	< 5.0	< 5.0	< 5.0	134	35	0.6	0.8	1.0	1.0	325	0.5	0.2	6.94	943	23.4
MW - 2	9/18/00	< 1.0	< 1.0	42	74	< 1.0	< 1.0	< 1.0	84	25	0.3	0.4	0.8	1.0	250	1.0	0.6	6.99	1002	23.2
MW - 3	9/18/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	0.1	0.6	0.4	0.0	225	2.0	0.2	6.87	841	21.6
MW - 4	9/18/00	< 1.0	< 1.0	11	< 7.0	< 1.0	< 1.0	< 1.0	15.5	3.6	2.0	2.0	1.0	0.1	250	1.0	0.2	6.88	961	24.6
MW - 5	9/18/00	< 1.0	< 1.0	3.2	< 2.0	< 1.0	< 1.0	< 1.0	< 2.7	2.8	1.0	1.5	1.5	0.0	250	0.5	0.4	6.88	958	24.3
MW - 9	9/18/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	0.0	0.1	5.0	0.0	250	2.0	1.5	6.67	1160	20.8
MW - 10	9/18/00	< 5.0	< 5.0	18	< 10	< 5.0	< 5.0	< 5.0	318	12	0.8	1.0	2.0	0.2	350	1.0	0.4	7.10	1375	22.0
Rinsate	9/18/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	*	*	*	*	*	*	*	*
Trip Blank	9/15/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	*	*	*	*	*	*	*	*

Data checked _____ / _____

APPENDIX 1

Sampling Protocol

Prior to any sampling, well development or purging, all monitor wells were sounded for depth to ground water. FEI used an electronic sounder with an accuracy of ± 0.01 /foot. Ground water elevations (from datum) were determined using survey data collected during the Hydrogeologic Investigation.

Prior to any sampling event, a minimum of three (3) well bore volumes were purged from each well using a Grundfos Sampling Pump. Samples were collected in HCl preserved VOAs and placed on ice in a container for delivery to Pinnacle Laboratories, in Albuquerque, New Mexico, for analyses. The ground water samples were analyzed for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Naphthalene, Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB) and Ethylene Dichloride (EDC) by EPA Method 8260 and for polynuclear aromatics (PNA) by EPA Method 8270 SIMS. Natural attenuation indicator parameters Iron, Phosphate, Sulfide, Alkalinity, pH, dissolved oxygen, conductivity, temperature and nitrate were analyzed and measured in the field using the appropriate field test kits and equipment. All EPA-approved sampling protocols were observed and a chain of custody was maintained on all samples.

APPENDIX 2

Field Notes

APPENDIX 3

Analytical Laboratory Reports